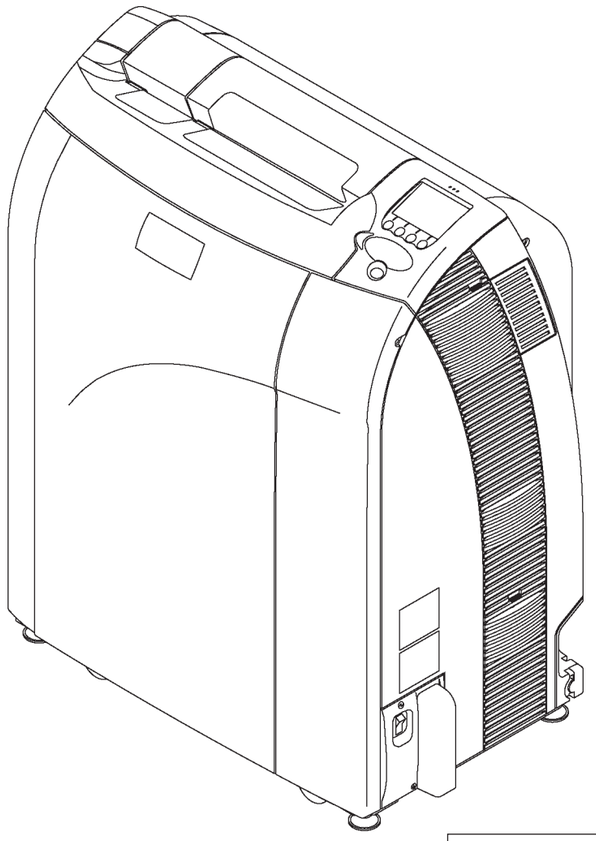
FUJIFILM

FUJI COMPUTED RADIOGRAPHY

FCR CAPSULA X/FCR CARBON X

CR-IR 357

Service Manual



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The relationship between mR (milliroentgen), which is the unit of radiation, and μC/kg (micro-coulomb/kilogram), which is the SI derived unit of radiation, is as follows.
1 mR = 0.258μC/kg

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1. Handling of This Manual

1.1 About This Manual

■ Scope

This Service Manual is applicable to Fuji Computed Radiography CR-IR 357. The machine is categorized as Class 1 according to IEC classification.

■ Notation of Unit Symbols

For notation of unit symbols, metric units set forth in the International Systems of Units (SI) are used, as a rule. However, metric units that are allowed in the Measurement Law, not in the SI, are used in some cases.

1.2 Precautions for Handling of This Manual

1. **Fuji Photo Film Co., Ltd reserves all rights related to this manual.**
2. **This manual should be accessible only to technical service personnel authorized by Fuji Photo Film Co., Ltd.**
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5. **Portions of the descriptions in this manual may be revised due to improvements on the product.**

1.3 About Notation in the Manual

■ Notation of cautions, warnings, etc.

The notation formats of "warning", "caution", "Instruction", "note", and "reference" are shown below.

⚠ WARNING

Used when death or serious injury may occur if the instruction is not observed.

⚠ CAUTION

Used when minor or medium levels of physical injury may be incurred if the instruction is not observed.
Also used when the machine may suffer serious trouble (such as unrecoverable or difficult-to-recover trouble).

◆ INSTRUCTION ◆

Used when the machine may suffer damage, or any failure or malfunction may occur, if the instruction is not observed.

◆ NOTE ◆

Used to indicate the matters that need attention during steps of the procedure.

◇ REFERENCE ◇

Used to indicate terminology or supplemental explanations.

■ Indication of Refer To

The "☞" mark is used to indicate the chapter or section you should refer to.
Its format is as indicated below.

☞ **{MC:5.1_Cassette Set Unit}**

■ Notation in the Manual

In this Service Manual, the CR-IR 357 is sometimes denoted simply as the RU (Reader Unit), and the CR-IR346/348CL as the CR Console.

■ Notation of Symbols

- Check/Adjustment indicator: Indicates that it is necessary to check or adjust the installation location when the part or component removed is to be reinstalled.

This indicator is placed in the illustration that depicts the procedures for removing the parts and components.
When you see this indicator, refer to its relevant "■ Check/Adjustment Procedures."

- Half-punch indicator: Indicates that it is necessary to align the half-punches when installing the parts or components.
However, it is not indicated for the half-punches for improving ease of assembly or preventing erroneous assembly procedures.

■ Servicing Instruments and Tools That Require Inspection/Calibration

The machine should be installed and serviced by use of servicing instruments and tools that have been inspected and calibrated as appropriate.
If the machine were serviced using servicing instruments and tools that have not been inspected and calibrated, proper performance of the machine could not be guaranteed.
Servicing instruments and tools that require inspection/calibration are as listed below.
Inspection/calibration procedures should be performed in accordance with the inspection/calibration manuals described in the ECN Information.

● Instruments and tools that require inspection/calibration

Name	Inspection	Calibration	Servicing instrument inspection/ calibration manual No.
Dosimeter	-	○	FF-001
Steel rule (150mm)	○	-	FF-005
Steel rule (300mm)	○	-	FF-006
Digital tester	○	○	FF-012
Calipers	○ (✻)	-	FF-015

✻: A block gauge for use in inspection requires calibration.